

AMENDMENTS TO THE SPECIFICATION

Please amend the last paragraph on page 10 the specification (adding "TM" next to trademarks and capitalizing them), as follows:

[0046] FIG. 1 depicts an exemplary method and system for modifying compiled executable application code 10 employing a polymorphic algorithm 15 to generate an executable code polymorph 20. Source code 1 is compiled (step 100) to object code 5 and thereafter linked (step 110) to generate a compiled executable program 10. In an alternative exemplary embodiment, source code 1 may be more directly converted to executable program code 10 without generating and linking object code 5, such as in the case of the source code 1 being authored in an interpreted language such as, for example, XML, DHTML, Basic, LISP, JAVAavaTM, VISUALisual BASICasicTM, INSTALLnstall SHIELDhieldTM, various scripting languages and/or any programming or mark-up language or combination of languages, now known or later derived by those skilled in the art, employing the use of non-CPU and/or non-native code. A random polymorphic engine 15 scans the code (step 115) of the compiled executable 10 to look for predetermined candidate instructions to be replaced with random functionally isomorphic instructions. In one exemplary embodiment, this may be accomplished by randomly selecting an entry in an instruction look-up table. Such a look-up table might comprise, for example, four different options for accomplishing the result of adding two numbers together using the instruction set of a particular CPU. FIG. 10 depicts a set of exemplary candidate instructions in accordance with, for example, a representative subset of INTEL.RTM. instruction codes which lend themselves to substitution with multiple functionally isomorphic replacement options. Those skilled in the art will appreciate that the present invention may be applied to a variety of CPU architectures employing various instruction sets now known or hereafter derived.

Please amend the last paragraph on page 23 of the specification, as follows:

[0078] The present invention may be described herein in terms of functional block components, screen shots, optional selections and various processing steps. It should be appreciated that such functional blocks may be realized by any number of hardware and/or software components configured to perform the specified functions. For example, the present invention may employ various integrated circuit components, e.g., memory elements, processing elements, logic elements, matchable data structures, and the like, which may carry out a variety of functions under the control of one or more microprocessors or other control devices. Similarly, the software elements of the present invention may be implemented with any programming or scripting language such as, for example, C, C++, JAVAavaTM, COBOL, assembler, PERL, eXtensible Markup Language (XML), etc., or any programming or scripting language now known or hereafter derived in the art, with the various algorithms being implemented with any combination of data structures, objects, processes, routines or other programming elements. Further, it should be noted that the present invention may employ any number of conventional

techniques for data transmission, signaling, data processing, network control, and the like. Still further, the invention could be used to detect or prevent security issues with a client-side scripting language, such as JAVAScriptTM, VBScriptTM or the like. For a basic introduction of cryptography, please review a text written by Bruce Schneider entitled "Applied Cryptography: Protocols, Algorithms, And Source Code In C," published by John Wiley & Sons (second edition, 1996), which is hereby incorporated by reference.

Please amend the last paragraph on page 24 of the specification, as follows:

[0080] It will be appreciated, that many applications of the present invention could be formulated. One skilled in the art will appreciate that the network may include any system for exchanging data, such as, for example, the Internet, an intranet, an extranet, WAN, LAN, satellite communications, and/or the like. It is noted that the network may be implemented as other types of networks, such as an interactive television (ITV) network. The users may interact with the system via any input device such as a keyboard, mouse, kiosk, personal digital assistant, handheld computer (e.g., PALMTM, PILOTTM), cellular phone and/or the like. Similarly, the invention could be used in conjunction with any type of personal computer, network computer, workstation, minicomputer, mainframe, or the like running any operating system such as any version of WINDOWSTM, WINDOWS XPTM, WINDOWS WHISTLERTM, WINDOWS METM, WINDOWS NTTM, WINDOWS 2000TM, WINDOWS 98TM, WINDOWS 95TM, MAC OSTM, OS/2TM, BE OSTM, LINUXTM, UNIX[®], or any operating system now known or hereafter derived by those skilled in the art. Moreover, the invention may be readily implemented with TCP/IP communications protocols, IPX, APPLETALKTM, IP-6TM, NET BIOSTM, OSI or any number of existing or future protocols. Moreover, the system contemplates the use, sale and/or distribution of any goods, services or information having similar functionality described herein.